



Standard Occupational Coding Structure (SOC)

(also known as O*Net Codes)

Management, Business Operations, and Financial Occupations	
Management Occupations, 11-0000	
Chief Executives	Construction Managers
General and Operations Managers	Education Administrators
Legislators	Architectural and Engineering Managers
Advertising and Promotions Managers	Food Service Managers
Marketing and Sales Managers	Funeral Service Managers
Public Relations and Fundraising Managers	Gaming Managers
Administrative Services Managers	Lodging Managers
Computer and Information Systems Managers	Medical and Health Services Managers
Financial Managers	Natural Sciences Managers
Purchasing Managers	Postmasters and Mail Superintendents
Transportation, Storage, and Distribution Managers	Property, Real Estate, and Community Association Managers
Compensation and Benefits Managers	Social and Community Service Managers
Human Resources Managers	Natural Sciences Managers
Training and Development Managers	Postmasters and Mail Superintendents
Farmers, Ranchers, and Other Agricultural Managers	Property, Real Estate, and Community Association Managers
Business and Financial Operations Occupations, 13-0000	
Accountants and Auditors	Financial Examiners
Agents and Business Managers of Artists, Performers, and Athletes	Fundraisers
Appraisers and Assessors of Real Estate	Human Resource Workers
Budget Analysts	Logisticians
Buyers and Purchasing Agents	Management Analysts
Claims Adjusters, Examiners, and Investigators	Market Research Analysts and Marketing Specialists
Compensation, Benefits, and Job Analysis Specialists	Meeting, Convention, and Event Planners
Compliance Officers	Miscellaneous Business Operations Specialists
Cost Estimators	Miscellaneous Financial Specialists
Credit Analysts	Tax Examiners, Collectors, and Preparers, and Revenue Agents
Credit Counselors and Loan Officers	Training and Development Specialists
Financial Analysts and Advisors	
Professional and Related Occupations	
Computer & Mathematical Occupations, 15-0000	
Actuaries	Mathematicians
Computer and Information Analysts	Miscellaneous Mathematical Science Occupations
Computer and Information Research Scientists	Operations Research Analysts
Computer Support Specialists	Software Developers and Programmers
Database and Systems Administrators and Network Architects	Statisticians
Architecture and Engineering Occupations, 17-0000	
Aerospace Engineering and Operations Technicians	Environmental Engineering Technicians
Aerospace Engineers	Environmental Engineers
Agricultural Engineers	Industrial Engineering Technicians
Architects, Except Landscape and Naval	Industrial Engineers, Including Health and Safety
Biomedical Engineers	Marine Engineers and Naval Architects
Chemical Engineers	Materials Engineers
Civil Engineering Technicians	Mechanical Drafters
Civil Engineers	Mechanical Engineering Technicians
Computer Hardware Engineers	Mechanical Engineers
Drafters	Mining and Geological Engineers, Including Mining Safety Engineers
Drafters, All Other	Miscellaneous Engineers
Electrical and Electronics Engineering Technicians	Nuclear Engineers
Electrical and Electronics Engineers	Petroleum Engineers
Engineering Technicians, Except Drafters	Surveying and Mapping Technicians
Engineering Technicians, Except Drafters, All Other	Surveyors, Cartographers, and Photogrammetrists
Life, Physical, and Social Science Occupations, 19-0000	
Agricultural and Food Science Technicians	Geological and Petroleum Technicians
Anthropologists and Archeologists	Geoscientists, Except Hydrologists and Geographers
Atmospheric and Space Scientists	Historians
Biochemists and Biophysicists	Hydrologists
Biological Scientists, All Other	Life, Physical, and Social Science Technicians, All Other
Biological Technicians	Materials Scientists
Chemical Technicians	Medical Scientists, Except Epidemiologists
Chemists	Microbiologists
Clinical, Counseling, and School Psychologists	Physical Scientists, All Other
Conservation Scientists	Physicists
Economists	Psychologists, All Other
Environmental Science and Protection Technicians, Including Health	Social Scientists and Related Workers, All Other
Environmental Scientists and Specialists, Including Health	Soil and Plant Scientists
Epidemiologists	Survey Researchers
Food Scientists and Technologists	Urban and Regional Planners
Forest and Conservation Technicians	Zoologists and Wildlife Biologists
Foresters	

Community and Social Services Occupations, 21-0000	
Child, Family, and School Social Workers	Mental Health and Substance Abuse Social Workers
Clergy	Mental Health Counselors
Community and Social Service Specialists, All Other	Rehabilitation Counselors
Counselors, All Other	Social and Human Service Assistants
Educational, Guidance, School, and Vocational Counselors	Social Workers, All Other
Health Educators	Substance Abuse and Behavioral Disorder Counselors
Healthcare Social Workers	
Legal Occupations, 23-0000	
Lawyers	Paralegals and Legal Assistants
Judicial Law Clerks	Court Reporters
Administrative Law Judges, Adjudicators, and Hearing Officers	Title Examiners, Abstractors, and Searchers
Arbitrators, Mediators, and Conciliators	Legal Support Workers, All Other
Judges, Magistrate Judges, and Magistrates	
Education, Training, and Library Occupations, 25-0000	
Adult Basic and Secondary Education and Literacy Teachers and Instructors	Instructional Coordinators
Agricultural Sciences Teachers, Postsecondary	Kindergarten Teachers, Except Special Education
Anthropology and Archeology Teachers, Postsecondary	Law Teachers, Postsecondary
Archivists	Librarians
Art, Drama, and Music Teachers, Postsecondary	Library Technicians
Audio-Visual and Multimedia Collections Specialists	Mathematical Science Teachers, Postsecondary
Biological Science Teachers, Postsecondary	Middle School Teachers, Except Special and Career/Technical Education
Business Teachers, Postsecondary	Museum Technicians and Conservators
Career/Technical Education Teachers, Middle School	Nursing Instructors and Teachers, Postsecondary
Career/Technical Education Teachers, Secondary School	Philosophy and Religion Teachers, Postsecondary
Chemistry Teachers, Postsecondary	Physics Teachers, Postsecondary
Communications Teachers, Postsecondary	Political Science Teachers, Postsecondary
Computer Science Teachers, Postsecondary	Postsecondary Teachers, All Other
Criminal Justice and Law Enforcement Teachers, Postsecondary	Preschool Teachers, Except Special Education
Curators	Psychology Teachers, Postsecondary
Economics Teachers, Postsecondary	Recreation and Fitness Studies Teachers, Postsecondary
Education, Training, and Library Workers, All Other	Secondary School Teachers, Except Special and Career/Technical Education
Elementary School Teachers, Except Special Education	Self-Enrichment Education Teachers
Engineering Teachers, Postsecondary	Social Work Teachers, Postsecondary
English Language and Literature Teachers, Postsecondary	Sociology Teachers, Postsecondary
Farm and Home Management Advisors	Special Education Teachers, Middle School
Foreign Language and Literature Teachers, Postsecondary	Special Education Teachers, Preschool, Kindergarten, and Elementary School
Forestry and Conservation Science Teachers, Postsecondary	Special Education Teachers, Secondary School
Geography Teachers, Postsecondary	Teacher Assistants
Health Specialties Teachers, Postsecondary	Teachers and Instructors, All Other
History Teachers, Postsecondary	Vocational Education Teachers, Postsecondary
Home Economics Teachers, Postsecondary	
Art and Design Workers	
Actors	Interior Designers
Art Directors	Interpreters and Translators
Athletes and Sports Competitors	Media and Communication Equipment Workers, All Other
Audio and Video Equipment Technicians	Media and Communication Workers, All Other
Broadcast Technicians	Merchandise Displayers and Window Trimmers
Camera Operators, Television, Video, and Motion Picture	Multi-Media Artists and Animators
Choreographers	Musicians and Singers
Coaches and Scouts	Photographers
Commercial and Industrial Designers	Producers and Directors
Craft Artists	Public Relations Specialists
Dancers	Radio and Television Announcers
Editors	Reporters and Correspondents
Fashion Designers	Set and Exhibit Designers
Film and Video Editors	Technical Writers
Fine Artists, Including Painters, Sculptors, and Illustrators	Umpires, Referees, and Other Sports Officials
Floral Designers	Writers and Authors
Graphic Designers	
Healthcare Practitioners and Technical Occupations, 29-0000	
Audiologists	Pharmacists
Chiropractors	Pharmacy Technicians
Dental Hygienists	Physical Therapists
Dentists, General	Physician Assistants
Dietitians and Nutritionists	Physicians and Surgeons, All Other
Emergency Medical Technicians and Paramedics	Podiatrists
Family and General Practitioners	Psychiatric Technicians
Health Diagnosing and Treating Practitioners, All Other	Psychiatrists
Health Technologists and Technicians, All Other	Radiation Therapists
Healthcare Practitioners and Technical Workers, All Other	Radiologic Technologists and Technicians
Licensed Practical and Licensed Vocational Nurses	Recreational Therapists
Medical and Clinical Laboratory Technicians	Registered Nurses
Medical and Clinical Laboratory Technologists	Respiratory Therapists
Medical Records and Health Information Technicians	Respiratory Therapy Technicians
Nuclear Medicine Technologists	Speech-Language Pathologists
Obstetricians and Gynecologists	Surgeons
Occupational Health and Safety Specialists	Surgical Technologists
Occupational Therapists	Therapists, all other
Opticians, Dispensing	Veterinarians
Optometrists	Veterinary Technologists and Technicians

Service Occupations	
Healthcare Support Occupations, 31-0000	
Dental Assistants	Medical Transcriptionists
Healthcare Support Workers, All Other	Nursing Aides, Orderlies, and Attendants
Home Health Aides	Pharmacy Aides
Massage Therapists	Physical Therapist Aides
Medical Assistants	Physical Therapist Assistants
Medical Equipment Preparers	Veterinary Assistants and Laboratory Animal Caretakers
Protective Services, 33-0000	
Animal Control Workers	First-Line Supervisors of Protective Service Workers, All Other
Bailiffs	Fish and Game Wardens
Correctional Officers and Jailers	Lifeguards, Ski Patrol, and Other Recreational Protective Service Workers
Crossing Guards	Police and Sheriff's Patrol Officers
Detectives and Criminal Investigators	Private Detectives and Investigators
Firefighters	Protective Service Workers, All Other
First-Line Supervisors of Correctional Officers	Security Guards
First-Line Supervisors of Fire Fighting and Prevention Workers	Transportation Security Screeners (Federal Only)
First-Line Supervisors of Police and Detectives	
Food Preparation and Serving Related Occupations, 35-0000	
Bartenders	Dining Room and Cafeteria Attendants and Bartender Helpers
Chefs and Head Cooks	Dishwashers
Combined Food Preparation and Serving Workers, Including Fast Food	First-Line Supervisors of Food Preparation and Serving Workers
Cooks, Fast Food	Food Preparation Workers
Cooks, Institution and Cafeteria	Food Servers, Nonrestaurant
Cooks, Restaurant	Hosts and Hostesses, Restaurant, Lounge, and Coffee Shop
Counter Attendants, Cafeteria, Food Concession, and Coffee Shop	Waiters and Waitresses
Building and Grounds Cleaning and Maintenance Occupations, 37-0000	
First-Line Supervisors of Housekeeping and Janitorial Workers	Landscaping and Groundskeeping Workers
First-Line Supervisors of Landscaping, Lawn Service, and Groundskeeping Workers	Maids and Housekeeping Cleaners
Janitors and Cleaners, Except Maids and Housekeeping Cleaners	
Personal Care and Service Occupations, 39-0000	
Amusement and Recreation Attendants	Manicurists and Pedicurists
Animal Trainers	Motion Picture Projectionists
Baggage Porters and Bellhops	Nonfarm Animal Caretakers
Childcare Workers	Personal Care Aides
Concierges	Personal Care and Service Workers, All Other
Embalmers	Recreation Workers
Entertainment Attendants and Related Workers, All Other	Residential Advisors
First-Line Supervisors of Personal Service Workers	Skincare Specialists
Fitness Trainers and Aerobics Instructors	Tour Guides and Escorts
Funeral Attendants	Travel Guides
Funeral service managers, directors, morticians, and undertakers	Ushers, Lobby Attendants, and Ticket Takers
Hairdressers, Hairstylists, and Cosmetologists	
Sales and Related Occupations, 41-0000	
Advertising Sales Agents	Real Estate Sales Agents
Cashiers	Retail Salespersons
Counter and Rental Clerks	Sales and Related Workers, All Other
Demonstrators and Product Promoters	Sales Representatives, Services, All Other
Door-to-Door Sales Workers, News and Street Vendors, and Related Workers	Sales Representatives, Wholesale and Manufacturing, Except Technical and Scientific
First-Line Supervisors of Non-Retail Sales Workers	Sales Representatives, Wholesale and Manufacturing, Technical and Scientific Products
First-Line Supervisors of Retail Sales Workers	Securities, Commodities, and Financial Services Sales Agents
Insurance Sales Agents	Telemarketers
Parts Salespersons	Travel Agents
Real Estate Brokers	
Office and Administrative Support Occupations, 43-0000	
Bill and Account Collectors	Medical Secretaries
Billing and Posting Clerks	Meter Readers, Utilities
Bookkeeping, Accounting, and Auditing Clerks	New Accounts Clerks
Brokerage Clerks	Office and Administrative Support Workers, All Other
Cargo and Freight Agents	Office Clerks, General
Computer Operators	Office Machine Operators, Except Computer
Couriers and Messengers	Order Clerks
Court, Municipal, and License Clerks	Payroll and Timekeeping Clerks
Customer Service Representatives	Police, Fire, and Ambulance Dispatchers
Data Entry Keyers	Postal Service Clerks
Desktop Publishers	Postal Service Mail Carriers
Dispatchers, Except Police, Fire, and Ambulance	Postal Service Mail Sorters, Processors, and Processing Machine Operators
Eligibility Interviewers, Government Programs	Procurement Clerks
Executive Secretaries and Executive Administrative Assistants	Production, Planning, and Expediting Clerks
File Clerks	Proofreaders and Copy Markers
First-Line Supervisors of Office and Administrative Support Workers	Receptionists and Information Clerks
Hotel, Motel, and Resort Desk Clerks	Reservation and Transportation Ticket Agents and Travel Clerks
Human Resources Assistants, Except Payroll and Timekeeping	Secretaries and Administrative Assistants, Except Legal, Medical, and Executive
Information and Record Clerks, All Other	Shipping, Receiving, and Traffic Clerks
Insurance Claims and Policy Processing Clerks	Statistical Assistants
Interviewers, Except Eligibility and Loan	Stock Clerks and Order Fillers

Office and Administrative Support Occupations, 43-0000 (cont.)

Legal Secretaries	Switchboard Operators, Including Answering Service
Library Assistants, Clerical	Tellers
Loan Interviewers and Clerks	Weighers, Measurers, Checkers, and Samplers, Recordkeeping
Mail Clerks and Mail Machine Operators, Except Postal Service	Word Processors and Typists

Farming, Fishing, and Forestry Occupations, 45-0000

First-Line Supervisors of Farming, Fishing, and Forestry Workers	Farmworkers and Laborers, Crop, Nursery, and Greenhouse
Agricultural Inspectors	Farmworkers, Farm, Ranch, and Aquacultural Animals
Agricultural Equipment Operators	

Construction and Extraction and Maintenance Occupations

Construction & Extraction Occupations, 47-000

Boilermakers	Helpers--Pipelayers, Plumbers, Pipefitters, and Steamfitters
Brickmasons and Blockmasons	Helpers--Roofers
Carpenters	Highway Maintenance Workers
Carpet Installers	Insulation Workers, Floor, Ceiling, and Wall
Cement Masons and Concrete Finishers	Insulation Workers, Mechanical
Construction and Building Inspectors	Mine Cutting and Channeling Machine Operators
Construction and Related Workers, All Other	Operating Engineers and Other Construction Equipment Operators
Construction Laborers	Painters, Construction and Maintenance
Continuous Mining Machine Operators	Paving, Surfacing, and Tamping Equipment Operators
Derrick Operators, Oil and Gas	Pipelayers
Drywall and Ceiling Tile Installers	Plasterers and Stucco Masons
Earth Drillers, Except Oil and Gas	Plumbers, Pipefitters, and Steamfitters
Electricians	Reinforcing Iron and Rebar Workers
Explosives Workers, Ordnance Handling Experts, and Blasters	Roof Bolters, Mining
Extraction Workers, All Other	Roofers
First-Line Supervisors of Construction Trades and Extraction Workers	Rotary Drill Operators, Oil and Gas
Glaziers	Roustabouts, Oil and Gas
Hazardous Materials Removal Workers	Septic Tank Servicers and Sewer Pipe Cleaners
Helpers, Construction Trades, All Other	Service Unit Operators, Oil, Gas, and Mining
Helpers--Brickmasons, Blockmasons, Stonemasons, and Tile and Marble Setters	Sheet Metal Workers
Helpers--Carpenters	Stonemasons
Helpers--Electricians	Structural Iron and Steel Workers
Helpers--Extraction Workers	Tapers
Helpers--Painters, Paperhangers, Plasterers, and Stucco Masons	Tile and Marble Setters

Installation, Maintenance, and Repair Occupations, 49-0000

Aircraft Mechanics and Service Technicians	Industrial Machinery Mechanics
Automotive Body and Related Repairers	Installation, Maintenance, and Repair Workers, All Other
Automotive Glass Installers and Repairers	Locksmiths and Safe Repairers
Automotive Service Technicians and Mechanics	Maintenance and Repair Workers, General
Avionics Technicians	Maintenance Workers, Machinery
Bicycle Repairers	Mechanical Door Repairers
Bus and Truck Mechanics and Diesel Engine Specialists	Medical Equipment Repairers
Coin, Vending, and Amusement Machine Servicers and Repairers	Millwrights
Computer, Automated Teller, and Office Machine Repairers	Mobile Heavy Equipment Mechanics, Except Engines
Control and Valve Installers and Repairers, Except Mechanical Door	Motorboat Mechanics and Service Technicians
Electric Motor, Power Tool, and Related Repairers	Motorcycle Mechanics
Electrical and Electronics Installers and Repairers, Transportation Equipment	Outdoor Power Equipment and Other Small Engine Mechanics
Electrical and Electronics Repairers, Commercial and Industrial Equipment	Precision Instrument and Equipment Repairers, All Other
Electrical and Electronics Repairers, Powerhouse, Substation, and Relay	Rail Car Repairers
Electrical Power-Line Installers and Repairers	Recreational Vehicle Service Technicians
Electronic Equipment Installers and Repairers, Motor Vehicles	Security and Fire Alarm Systems Installers
Farm Equipment Mechanics and Service Technicians	Signal and Track Switch Repairers
First-Line Supervisors of Mechanics, Installers, and Repairers	Telecommunications Equipment Installers and Repairers, Except Line Installers
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	Telecommunications Line Installers and Repairers
Helpers--Installation, Maintenance, and Repair Workers	Tire Repairers and Changers
Home Appliance Repairers	

Production Occupations, 51-0000

Adhesive Bonding Machine Operators and Tenders	Metal-Refining Furnace Operators and Tenders
Aircraft Structure, Surfaces, Rigging, and Systems Assemblers	Milling and Planing Machine Setters, Operators, and Tenders, Metal and Plastic
Assemblers and Fabricators, All Other	Mixing and Blending Machine Setters, Operators, and Tenders
Bakers	Molders, Shapers, and Casters, Except Metal and Plastic
Butchers and Meat Cutters	Molding, Coremaking, and Casting Machine Setters, Operators, and Tenders, Metal and Plastic
Cabinetmakers and Bench Carpenters	Multiple Machine Tool Setters, Operators, and Tenders, Metal and Plastic
Chemical Equipment Operators and Tenders	Ophthalmic Laboratory Technicians
Chemical Plant and System Operators	Packaging and Filling Machine Operators and Tenders
Cleaning, Washing, and Metal Pickling Equipment Operators and Tenders	Painters, Transportation Equipment
Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	Painting, Coating, and Decorating Workers
Computer Numerically Controlled Machine Tool Programmers, Metal and Plastic	Paper Goods Machine Setters, Operators, and Tenders
Computer-Controlled Machine Tool Operators, Metal and Plastic	Petroleum Pump System Operators, Refinery Operators, and Gaugers
Cooling and Freezing Equipment Operators and Tenders	Photographic Process Workers and Processing Machine Operators
Crushing, Grinding, and Polishing Machine Setters, Operators, and Tenders	Plant and System Operators, All Other
Cutters and Trimmers, Hand	Plating and Coating Machine Setters, Operators, and Tenders, Metal and Plastic

Production Occupations, 51-0000 (cont.)	
Cutting and Slicing Machine Setters, Operators, and Tenders	Pourers and Casters, Metal
Cutting, Punching, and Press Machine Setters, Operators, and Tenders, Metal and Plastic	Power Distributors and Dispatchers
Dental Laboratory Technicians	Power Plant Operators
Electrical and Electronic Equipment Assemblers	Prepress Technicians and Workers
Electromechanical Equipment Assemblers	Pressers, Textile, Garment, and Related Materials
Extruding and Drawing Machine Setters, Operators, and Tenders, Metal and Plastic	Print Binding and Finishing Workers
Extruding and Forming Machine Setters, Operators, and Tenders, Synthetic and Glass	Printing Press Operators
Extruding, Forming, Pressing, and Compacting Machine Setters, Operators, and Tenders	Production Workers, All Other
Fiberglass Laminators and Fabricators	Rolling Machine Setters, Operators, and Tenders, Metal and Plastic
First-Line Supervisors of Production and Operating Workers	Sawing Machine Setters, Operators, and Tenders, Wood
Food Batchmakers	Semiconductor Processors
Food Cooking Machine Operators and Tenders	Separating, Filtering, Clarifying, Precipitating, and Still Machine Setters, Operators, and
Forging Machine Setters, Operators, and Tenders, Metal and Plastic	Sewing Machine Operators
Foundry Mold and Coremakers	Shoe and Leather Workers and Repairers
Furnace, Kiln, Oven, Drier, and Kettle Operators and Tenders	Slaughterers and Meat Packers
Furniture Finishers	Stationary Engineers and Boiler Operators
Gas Plant Operators	Structural Metal Fabricators and Fitters
Grinding and Polishing Workers, Hand	Tailors, Dressmakers, and Custom Sewers
Grinding, Lapping, Polishing, and Buffing Machine Tool Setters, Operators, and Tenders,	Team Assemblers
Heat Treating Equipment Setters, Operators, and Tenders, Metal and Plastic	Textile Cutting Machine Setters, Operators, and Tenders
Helpers--Production Workers	Tool and Die Makers
Inspectors, Testers, Sorters, Samplers, and Weighers	Tool Grinders, Filers, and Sharpeners
Jewelers and Precious Stone and Metal Workers	Upholsterers
Lathe and Turning Machine Tool Setters, Operators, and Tenders, Metal and Plastic	Water and Wastewater Treatment Plant and System Operators
Laundry and Dry-Cleaning Workers	Welders, Cutters, Solderers, and Brazers
Machinists	Welding, Soldering, and Brazing Machine Setters, Operators, and Tenders
Medical Appliance Technicians	Woodworkers, All Other
Metal Workers and Plastic Workers, All Other	Woodworking Machine Setters, Operators, and Tenders, Except Sawing

Transportation and Material Moving Occupations, 53-0000	
Air Traffic Controllers	Light Truck or Delivery Services Drivers
Aircraft Cargo Handling Supervisors	Loading Machine Operators, Underground Mining
Airline Pilots, Copilots, and Flight Engineers	Locomotive Engineers
Ambulance Drivers and Attendants, Except Emergency Medical Technicians	Machine Feeders and Offbearers
Automotive and Watercraft Service Attendants	Mine Shuttle Car Operators
Bus Drivers, School or Special Client	Motor Vehicle Operators, All Other
Bus Drivers, Transit and Intercity	Packers and Packagers, Hand
Cleaners of Vehicles and Equipment	Parking Lot Attendants
Conveyor Operators and Tenders	Pump Operators, Except Wellhead Pumps
Crane and Tower Operators	Railroad Brake, Signal, and Switch Operators
Driver/Sales Workers	Refuse and Recyclable Material Collectors
Excavating and Loading Machine and Dragline Operators	Taxi Drivers and Chauffeurs
First-Line Supervisors of Helpers, Laborers, and Material Movers, Hand	Traffic Technicians
First-Line Supervisors of Transportation and Material-Moving Machine and Vehicle	Transportation Attendants, Except Flight Attendants
Flight Attendants	Transportation Inspectors
Heavy and Tractor-Trailer Truck Drivers	Transportation Workers, All Other
Industrial Truck and Tractor Operators	Wellhead Pumps
Laborers and Freight, Stock, and Material Movers, Hand	

Source: Utah Department of Workforce Services, Workforce Research and Analysis July 2012.